

Lower Passaic River Study Area
Information on GIS files in the TotalPCB.gdb Geodatabase
Anchor QEA, LLC on Behalf of the Cooperating Parties Group
April 8, 2015

Information pertains to the polygon feature class: **tot_pcb_yr2010_A_RM0_17**

This file is the Thiessen polygon interpolation of Total PCB surface concentration in the LPR between RM 0 and the Dundee Dam using the 2010 dataset. The 2010 dataset consists of data sampled from 2005 to 2013. This file correspond to the contaminant mapping methodology described in Appendix J of the February 2015 Draft LPRSA RI/FS Report. This dataset was part of the LPR Contaminant Mapping Approach presentation given to USEPA at the March 11, 2015 mapping meeting.

Relevant Fields:

LOCATIONID – Sample Location ID
group_inte – Interpolation grouping code (see below for key)
comb_mean – Contaminant concentration
units – Units of concentration
COPC – Contaminant name
depthClass – Depth layer code of interpolations
Shape_Area – Area in feet squared

Information pertains to the point feature class: **pts_20150204_tot_pcb**

This file has the point data used to generate the 2010 dataset surface concentration for total PCBs. The 2010 dataset includes data sampled from 2005 to 2013. This dataset corresponds to the contaminant mapping methodology described in Appendix J of the February 2015 Draft LPRSA RI/FS Report. Within this file duplicates have already been averaged (there is no flag for duplicates in this file). This file was part of the LPR Contaminant Mapping Approach presentation given to USEPA at the March 11, 2015 mapping meeting.

Relevant Fields:

STUDYID – Sampling program name from AQ database
RI_StudyID – Name of sampling program used in RI report
YEAR_ – Year sampled
LOCATIONID – Sample Location ID
DEPTHCLASS – Depth layer code of interpolations
ANL_SHORT_NAME – Contaminant name
XCOORD – x coordinate, NJ State Plane Feet
YCOORD – y coordinate, NJ State Plane Feet

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RES_NGKG – Concentration, ng/kg
RIVERMILE – Approximate river mile location
Upper_Depth – Upper depth for interpolation layer, Feet
Lower_Depth – Lower depth for interpolation layer, Feet
GROUP_INTE – Interpolation grouping code (see below for key)

Interpolation Grouping Key

G2 – No Deposition Since 1949
G3 – Mixed Depositional Since 1966
G4 – Highly Depositional Since 1966
LS – Left Shoal
RS – Right Shoal
NS_DN – Downstream Channel
NS_UP – Upstream Channel
SI_1 – Silt Deposit 1
SI_2 – Silt Deposit 2
SI_3 – Silt Deposit 3
SI_4 – Silt Deposit 4
SI_5 – Silt Deposit 5
SI_6_1 – Silt Deposit 6.1
SI_6_2 – Silt Deposit 6.2
SI_7 – Silt Deposit 7

“DEPTHCLASS” Key

A: 0-0.5 feet